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Human, animal and plant health impacts of climate change

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Abstract:

Commission staff working document / accompanying document to the white paper Adapting to Climate Change: Towards a European Framework for Action (COM/2009) 147 final. From the Introduction (p. 3): "The purpose of this Commission staff working document is to outline the main issues relating to human, animal and plant health in relation to climate change, to describe what is currently being done to address these challenges and, finally, to indicate key future steps for Community and Member State action to be considered. This paper is based on the general framework set out in particular in the White Paper "Adapting to climate change: Towards a European framework for action" [COM(2009) 147] which proposes to increase the resilience of health and social systems and underlines the need to ensure adequate surveillance and control of the health impacts of climate change, such as epidemiological surveillance and the control of communicable diseases or the effects of extreme events."

Source: http://ec.europa.eu/health/ph threats/climate/docs/com 2009-147 en.pdf

Resource Description

Early Warning System: M

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

Exposure: M

weather or climate related pathway by which climate change affects health

Air Pollution, Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Human Conflict/Displacement, Precipitation, Sea Level Rise, Solar Radiation, Temperature

Air Pollution: Allergens, Ozone, Particulate Matter

Extreme Weather Event: Drought, Flooding, Wildfires

Food/Water Quality: Biotoxin/Algal Bloom, Pathogen, Other Water Quality Issue

Water Quality (other): Water temperature

Temperature: Extreme Cold, Extreme Heat

Geographic Feature: M

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resource focuses on specific type of geography

None or Unspecified

Geographic Location: M

resource focuses on specific location

Non-United States

Non-United States: Europe

Health Impact: M

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Diabetes/Obesity, Infectious Disease, Injury, Mental Health/Stress, Morbidity/Mortality, Respiratory Effect, Other Health Impact

Infectious Disease: Airborne Disease, Foodborne/Waterborne Disease, Vectorborne Disease, Zoonotic Disease

Airborne Disease: Influenza

Foodborne/Waterborne Disease: Campylobacteriosis, Cryptosporidiosis, General

Foodborne/Waterborne Disease, Listeriosis, Salmonellosis

Vectorborne Disease: Flea-borne Disease, Fly-borne Disease, General Vectorborne,

Mosquito-borne Disease, Tick-borne Disease

Fly-borne Disease: Leishmaniasis

Mosquito-borne Disease: Chikungunya, Dengue, Malaria, West Nile Virus

Tick-borne Disease: Lyme Disease, Tick-borne Encephalitis

Zoonotic Disease: Other Zoonotic Disease

Zoonotic Disease (other): Rift Valley Fever

Mental Health Effect/Stress: Other Mental Disorder

Respiratory Effect: Asthma, Chronic Obstructive Pulmonary Disease, Other Respiratory Effect

Respiratory Condition (other): Hay fever

Other Health Impact: Heat stress

Medical Community Engagement: M

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

mitigation or adaptation strategy is a focus of resource

Adaptation

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Model/Methodology: ™

type of model used or methodology development is a focus of resource

Exposure Change Prediction, Outcome Change Prediction

Population of Concern: A focus of content

Population of Concern: M

populations at particular risk or vulnerability to climate change impacts

Children, Elderly, Low Socioeconomic Status

Other Vulnerable Population: Pre-existing medical condition; Women

Resource Type: M

format or standard characteristic of resource

Review

Timescale: M

time period studied

Long-Term (>50 years)

Vulnerability/Impact Assessment: M

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content